

BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work: Detailed Estimate for Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura.

H/A : P 2573 Encouragement to Rural Sports (Marali
6a Atada Maidhanakke) Dy Mayors dicretionary.

Est. Cost Rs.1.90 Crore

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.265/I.37.51 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							
			1	14.00	10.00	2.00	280.00		
			1	20.00	6.00	2.00	240.00		
	Basic Rate	249.00					520.00	263.94	137249.00
	Add Area Weightage 6%	14.94							
	Total	263.94							
2	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrs, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (P.140/I.18.47 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							
	CC Road		1	65.00	4.00	0.60	156.00	952.94	148659.00
	Basic Rate	899.00							
	Add Area Weightage 6%	53.94							
	Total	952.94							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
M200-15.2. of existing culverts, walls and comprising of concrete, steel work, and scaffolding necessary, sorting material, unserviceable stacking the material with all 1000 metres per Dismantling B. Rubble in cement Specification 18.27 PW, BENGALURU (R 2018-19)	Cum	1	20.00	0.45	3.00	27.00	372.06	10046.00
Wall	351.00							
Percentage .6%	21.06							
	372.06							
Earthwork foundation of water supply, and electrical in pits or in and above in soil not 15 m. in depth the of pits and the clear from excavation with 15 m. after complete specifications. KBS 2.1 2.4 PW, P & BENGALURU (R 2018-19)	Cum	1	12.60	6.00	2.00	151.20		
Wall Portion		1	20.00	6.00	2.00	240.00		
		14	3.50	2.00	2.00	196.00		
						587.20	475.94	279472.00
	449.00							
	26.94							
Percentage 6%	475.94							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
5	KSRB 2.2.6: Excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, hard rock by chiseling and/or wedging , where blasting is prohibited 1.50 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications. specification. No. KBS (P.6/I.2.8 PW, P & IWT, BENGALURU CIRCLE - SR 2018-19)	Cum							
	RCC Retaining Wall Portion		1	20.00	6.00	2.30	276.00		
	Stiffener Portion		9	3.50	2.00	2.30	144.90		
	Basic Rate	2042.00					420.90	2164.52	911046.00
	Add Area Weightage 6%	122.52							
	Total	2164.52							
6	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 20 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.140 I.18.57/1)	Cum							
			Qty Vide Item No.1+2+3+4+5				1711.10	132.00	225865.00
	Lead Up to 20 x 2.5x 1.28 KM	64.00							
	Loading and Unloading Charges	68.00							
		132.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
7	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.13/I.4.3 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							
	Bed Concrete Work								
	RCC Retaining Wall Portion		1	12.60	6.00	0.20	15.12		
			1	20.00	6.00	0.20	24.00		
	Stiffener Portion		14	3.50	2.00	0.20	19.60		
	Road		1	65.00	4.00	0.20	52.00		
	Basic Rate	5102.00					110.72	5408.12	598787.00
	Add Area Weightage 6%	306.12							
	Total	5408.12							
8	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates jelly of ready mixed concrete (RMC) M-20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for foundations & Sub-Structure Works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) (P.18/I.4.48 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							
	Below GL								
	RCC Retaining Wall Portion								
	Footing Portion		1	12.60	5.20	1.00	65.52		
			1	20.00	5.20	1.00	104.00		
	Stiffener Portion		14	3.50	2.00	1.00	98.00		
							267.52	5770.64	1543762.00
	Basic Rate	5444.00							
	Add Area Weightage 6%	326.64							
	Total	5770.64							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
9	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., for all Super Structure Works with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) - Ready mixed Cement concrete M-30 (P.19/I.4.49.3 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							
	Above GL								
	RCC Retaining Wall Portion		1	12.60	0.75	3.80	35.91		
			1	20.00	0.75	3.80	57.00		
			1	12.60	0.60	3.60	27.22		
			1	20.00	0.60	3.60	43.20		
			1	12.60	0.45	3.60	20.41		
			1	20.00	0.45	3.60	32.40		
	Above Road Level		1	12.60	0.30	1.50	5.67		
			1	20.00	0.30	1.50	9.00		
	Stiffener Portion		14	(3.50+0.60)	0.60	11.00	189.42		
				2					
	Road		1	65.00	4.00	0.20	52.00		
							472.23	5933.88	2802156.00
	Basic Rate	5598.00							
	Add Area Weightage 6%	335.88							
	Total	5933.88							
10	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.15/I.4.31 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Sqm							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Footing Portion- Both Sides		2	12.60		1.00	25.20		
			2	20.00		1.00	40.00		
			4	5.20		1.00	20.80		
	Stiffener Portion -Both Sides		28	3.50		1.00	98.00		
			28	2.00		1.00	56.00		
	RCC Retaining Wall Portion		2	12.60		12.50	315.00		
			2	20.00		12.50	500.00		
	Stiffener Portion		28	(3.50+0.60)		11.00	631.40		
			2						
	Basic Rate	358.00					1686.40	379.48	639955.00
	Add Area Weightage 6%	21.48							
	Total	379.48							
11	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.17/I.4.46.2PW, P & IWTD,BENGALURU CIRCLE - SR 2018-19)	T							
			120.00				120.00	75223.96	9026875.00
	Basic Rate	70966.00							
	Add Area Weightage 6%	4257.96							
	Total	75223.96							
12	KSRB 2.5: Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications. specification. No. KBS 2.9.9/2.9.10.1 /2.1.1 (P.7/I.2.12 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Cum							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			12	3.50	2.40	11.00	1108.80	427.18	473657.00
	Basic Rate	403.00							
	Add Area Weightage 6%	24.18							
	Total	427.18							
								SUB - TOTAL AMOUNT RS.	16797529.00
13	G.S.T Charges (12%)								2015703.48
14	PMC and Third Party Inspection Charges (1%)								167975.29
15	Miscellaneous, Tender Premium Charges and Unforeseen Charges	Ls							18792.23
								TOTAL AMOUNT RS.	19000000.00

(Rupees One Crore Ninety Lakhs Only)

CERTIFICATE :

- 1 The work spot has been inspected and found to be necessary.
- 2 The work spot comes under BBMP Limits.
- 3 The provisions made in the estimate are necessary and minimum.
- 4 The estimate is based on PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19.

M. P. U. N. D
Assistant Engineer
Ward No.07


Assistant Executive Engineer
Kodigehalli Sub Division
BBMP Bangalore


Executive Engineer
Byatarayanapura Division
BBMP Bangalore

Technical Sanction
Accorded For Rs.190/- (arche only)
Head of A/C P.2523.....
CER NO : 182..... Dt. 05.01.2019

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